

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8. (Canceled)

9. (Currently amended) A container managed persistence entity bean system in a data processing system, comprising:

runtime code, wherein the runtime code provides functions to a plurality of bean types;

a concrete bean, wherein the concrete bean receives requests from a client to locate ~~manipulate~~ an instance of a container managed persistence bean and, in response to receiving the requests from the client, manipulates ~~manipulates~~ locates the instance of the container managed persistence bean ~~when called by the client~~ by calling the runtime code, wherein the concrete bean calls inherited bean specific functions prior to calling the runtime code, the inherited bean specific functions being written by a specific bean type provider, and wherein the concrete bean locates a specific container managed persistence bean instance by creating a container managed persistence bean associated with a bean type, but not associated with a specific bean instance;

an injector, wherein the injector converts input parameters from a format used by the concrete bean into a formatted input for use in accessing a backend when called by the runtime code;

a bean adapter binding, wherein the bean adapter binding provides access to bean specific information for a particular container managed persistence bean by providing ~~[[the]]~~ at least one of the injector, ~~[[the]]~~ an extractor, and bean method information to the runtime code in response to a call from the runtime code for access, wherein the extractor receives data for a given instance of a container managed persistence bean from the backend and formats data into a format used by the concrete bean;

a function set, wherein the function set provides access to ~~[[a]]~~ the backend in response to being called by the runtime code, wherein the ~~functions~~ function set uses the formatted input created by the injector to access the backend by executing bean-specific and backend specific data access logic; and

~~an extractor, wherein the extractor receives data for a given instance of a container managed persistence bean from the backend data structure and formats data into a format used by the concrete bean; and~~

a data cache ~~[[entry]]~~, wherein the data ~~eaches~~ cache receives the data from the extractor and ~~[[entry]]~~ holds the data received by the extractor, ~~[[and]]~~ wherein the data is data for a given instance of a

container managed persistence bean, wherein the data includes at least one of a Java primitive and an object reference, and wherein the backend is a data storage system.

10-29. (Canceled)